



American Telecommunications Certification Body Inc.

6731 Whittier Ave, McLean, VA 22101

October 7, 2002

RE: FCC ID: QK7FSM-100

Attention:

I have a few comments on this Application.

- 1 No operational or technical description has been provided with the application. Please provide an operational description for the device. xx
- 2 The device uses a "Momentary Mode" that the manual describes as the appliance being on as long as the switch is pressed. 15.231 devices cannot operate in a continuous transmission mode. 15.231 devices are limited to non-periodic, non-continuous control code transmissions only. Thus, it would not appear likely that an appliance could be directly connected to this device. Consequently, please explain how this mode works and how it prevents rf transmission while the switch is depressed while still operating the appliance? The maximum allowable transmission time is one second. Please explain why this device should not be denied. xx
- 3 This device sends rf signals over the household wiring. A current carrier system whereby signals are received by conduction directly from connection to the electric power lines are considered unintentional radiators. As such this portion is subject to verification. However, the requirements of 15.207 (conducted emissions) and 15.209 (radiated emissions) must be met for these devices. You have provided no conducted emissions results. Please provide the necessary tests for this device. xx
- 4 15.231 states that transmission of the device cannot be for longer than one second. Your manual states that the 'delayed' mode can be activated by pressing the switch for more than one second. This is not acceptable for 15.231 devices. Please explain this mode in detail and explain why this device should not be denied since it exceeds the maximum 1 second transmit requirements. xx
- 5 Your manual description of scanning mode is unclear. Does the device transmit during this mode? If so, it is not possible to certify under 15.231. Please provide a detailed explanation as to why the device should not be denied because of this mode. xx

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The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information may result in application termination. Correspondence should be considered part of the permanent submission and may be viewed from the Internet after a Grant of Equipment Authorization is issued.

Please do not respond to this correspondence using the email reply button. In order for your response to be processed expeditiously, you must submit your documents through the AmericanTCB.com website. Also, please note that partial responses increase processing time and should not be submitted.

Any questions about the content of this correspondence should be directed to the sender.